

IN THE CLAIMS

Please amend the claims as follows, substituting any amended claim(s) for the corresponding pending claim(s):

1 1. (Currently Amended) A host-side wireless interface that services communications between a wireless
2 user input device and a serviced host, the host-side wireless interface comprising:
3 a wireless network interface that wirelessly communicates with the wireless user input device;
4 a host interface communicatively coupled to the ~~wireless interface~~ wireless network interface and
5 to the serviced host; wherein when the serviced host initiates bootstrap operations via a Basic
6 Input/Output System (BIOS), the host interface operates in a BIOS host interface mode to allow input
7 from the wireless user input device to the BIOS during the bootstrap operations; and
8 wherein when the serviced host initiates Operating System (OS) operations via an OS, the host
9 interface operates in an OS host interface mode, wherein the OS host interface mode differs from the
10 BIOS host interface mode.

1 2. (Currently Amended) The host-side wireless interface of claim 1, wherein:
2 during both the initiation of the bootstrap operations and the initiation of the OS operations, the
3 host interface firstly presents to the serviced host an interface configuration corresponding to the OS host
4 interface mode and secondly presents to the serviced host an interface configuration corresponding to the
5 BIOS host interface mode;
6 during the bootstrap operations, the BIOS does not recognize the configuration corresponding to
7 the OS host interface mode but does ~~recognizes~~ recognize the configuration corresponding to the BIOS
8 host interface mode;
9 the OS recognizes both the configuration corresponding to the OS host interface mode and the
10 configuration corresponding to the BIOS host interface mode; and
11 the OS selects the firstly presented configuration corresponding to the OS host interface mode.

1 3. (Original) The host-side wireless interface of claim 2, wherein:
2 the configuration corresponding to the BIOS host interface mode comprises a Universal Serial
3 Bus (USB) Human Interface Device (HID) configuration; and
4 the configuration corresponding to the OS host interface mode comprises a Bluetooth HID
5 configuration.

1 4. (Original) The host-side wireless interface of claim 3, wherein:

2 the BIOS is not Bluetooth aware and does not recognize the Bluetooth HID configuration; and
3 the OS is Bluetooth aware and recognizes the Bluetooth HID configuration.

1 5. (Original) The host-side wireless interface of claim 1, wherein the host interface further comprises:

2 a hub that operably couples to the serviced host via a host interface bus;

3 a BIOS host interface module operably coupled to the hub that supports the BIOS host interface
4 mode; and

5 an OS host interface module operably coupled to the hub that supports the OS host interface
6 mode.

1 6. (Original) The host-side wireless interface of claim 5, wherein in the bootstrap operations of the

2 serviced host, the BIOS recognizes the BIOS host interface module but does not recognize the OS host
3 interface module.

1 7. (Original) The host-side wireless interface of claim 5, wherein in the OS operations of the serviced

2 host, the OS selects the OS host interface module for servicing.

1 8. (Original) The host-side wireless interface of claim 5, wherein:

2 the BIOS host interface module supports a Universal Serial Bus (USB) Human Interface Device
3 (HID) configuration; and

4 the OS host interface module supports a Bluetooth HID configuration.

1 9. (Currently Amended) The host-side wireless interface of claim 1, wherein the wireless network

2 interface wirelessly communicates with the wireless user input device according to at least one version of
3 ~~the Bluetooth operating standard~~ a Bluetooth operating standard.

1 10. (Original) The host-side wireless interface of claim 1, further comprising a microprocessor unit

2 operably coupled to the wireless network interface and to the host interface.

1 11. (Currently Amended) The host-side wireless interface of claim 1, wherein the wireless user input

2 device is selected from ~~the group~~ a group consisting of at least a wireless keyboard and a wireless mouse.

- 1 12. (Original) The host-side wireless interface of claim 1, further comprising non-volatile memory in
- 2 which configuration information for the wireless user input device is stored, wherein the configuration
- 3 information stored in the non-volatile memory is employed by the host-side wireless interface in the
- 4 BIOS host interface mode.

1 13. (Currently Amended) A computer peripheral adapter that services communications between a wireless
2 user input device and a serviced host computer, the computer peripheral adapter comprising:
3 a bus coupler that couples the computer peripheral adapter to a peripheral bus of the ~~serviced~~
4 serviced host computer;
5 a wireless network interface that wirelessly communicates with the wireless user input device;
6 a host interface communicatively coupled to the bus coupler and to the ~~wireless interface~~ wireless
7 network interface;
8 wherein when the serviced host computer initiates bootstrap operations via a Basic Input System
9 (BIOS), the host interface operates in a BIOS host interface mode to allow input from the wireless user
10 input device to the BIOS during the bootstrap operations; and
11 wherein when the serviced host computer initiates Operating System (OS) operations via an OS,
12 the host interface operates in an OS host interface mode to allow input from the wireless user input device
13 to the OS, wherein the OS host interface mode differs from the BIOS host interface mode.

1 14. (Currently Amended) The computer peripheral adapter of claim 13, wherein:
2 during both the initiation of the bootstrap operations and the initiation of the OS operations, the
3 host interface firstly presents to the serviced host computer an interface configuration corresponding to
4 the OS host interface mode and secondly presents to the serviced host computer an interface configuration
5 corresponding to the BIOS host interface mode;
6 during the bootstrap operations, the BIOS does not recognize the configuration corresponding to
7 the OS host interface mode but does ~~recognizes~~ recognize the configuration corresponding to the BIOS
8 host interface mode;
9 the OS recognizes both the configuration corresponding to the OS host interface mode and the
10 configuration corresponding to the BIOS host interface mode; and
11 the OS selects the firstly presented configuration corresponding to the OS host interface mode.

1 15. (Original) The computer peripheral adapter of claim 14, wherein:
2 the configuration corresponding to the BIOS host interface mode comprises a Universal Serial
3 Bus (USB) Human Interface Device (HID) configuration; and
4 the configuration corresponding to the OS host interface mode comprises a Bluetooth HID
5 configuration.

- 1 16. (Original) The computer peripheral adapter of claim 15, wherein:
2 the BIOS is not Bluetooth aware and does not recognize the Bluetooth HID configuration; and
3 the OS is Bluetooth aware and recognizes the Bluetooth HID configuration.

- 1 17. (Original) The computer peripheral adapter of claim 13, further comprising non-volatile memory in
2 which configuration information for the wireless user input device is stored, wherein the configuration
3 information stored in the non-volatile memory is employed by the host-side wireless interface in the
4 BIOS host interface mode.

1 18. (Currently Amended) A computer peripheral adapter that services communications between a wireless
2 user input device and a serviced host computer, the computer peripheral adapter comprising:
3 a bus coupler that couples the computer peripheral adapter to a peripheral bus of the ~~serviced~~
4 ~~computer~~ serviced host computer;
5 a wireless network interface that wirelessly communicates with the wireless user input device;
6 a host interface communicatively coupled to the bus coupler and to the ~~wireless interface~~ wireless
7 network interface that includes:
8 a hub that operably couples to the serviced host computer via the bus coupler and the peripheral
9 bus;
10 a Basic Input/Output System (BIOS) host interface module operably coupled to the hub that
11 supports BIOS host interface operations; and
12 an Operating System (OS) host interface module operably coupled to the hub that supports OS
13 host interface operations;
14 wherein when the serviced host computer initiates bootstrap operations via a BIOS, the serviced
15 host computer accesses the BIOS host interface operations of the BIOS host interface module; and
16 wherein when the serviced host computer initiates OS operations via an OS, the serviced host
17 computer accesses the ~~OS host interface host operations~~ OS host interface operations of the OS host
18 interface module.

1 19. (Currently Amended) The computer peripheral adapter of claim 18, wherein in the bootstrap
2 operations of the ~~serviced host~~ serviced host computer, the BIOS recognizes the BIOS host interface
3 module but does not recognize the OS host interface module.

1 20. (Currently Amended) The computer peripheral adapter of claim 18, wherein in the OS operations of
2 the ~~serviced host~~ serviced host computer, the OS selects the OS host interface module for servicing.

1 21. (Original) The computer peripheral adapter of claim 18, wherein:
2 the BIOS host interface module supports a Universal Serial Bus (USB) Human Interface Device
3 (HID) configuration; and
4 the OS host interface module supports a Bluetooth HID configuration.

- 1 22. (Original) The computer peripheral adapter of claim 18, further comprising non-volatile memory in
- 2 which configuration information for the wireless user input device is stored, wherein the configuration
- 3 information stored in the non-volatile memory is employed by the host-side wireless interface in the
- 4 BIOS host interface mode.

1 23. (Original) A method for operating a host-side wireless interface that is operably coupled to a serviced
2 host computer to support communications from a wireless user input device to the serviced host
3 computer, the method comprising:

4 during a first operation, interfacing with a Basic Input/Output System (BIOS) of the serviced host
5 computer while the serviced host computer is performing bootstrap operations,

6 wherein interfacing with the BIOS of the serviced host computer includes operating the host-side
7 wireless interface in a BIOS host interface mode to allow input from the wireless user input device to the
8 BIOS during the bootstrap operations; and

9 during a second operation, interfacing with an Operating System (OS) of the serviced host
10 computer, wherein interfacing with the OS of the serviced host computer includes operating the host-side
11 wireless interface in an OS host interface mode to allow input from the wireless user input device to the
12 OS, wherein the OS host interface mode differs from the BIOS host interface mode.

1 24. (Original) The method of claim 23, wherein the method includes:

2 firstly presenting a configuration corresponding to the OS host interface mode and secondly
3 presenting a configuration corresponding to the BIOS host interface mode;

4 the BIOS recognizing the configuration corresponding to the BIOS host interface mode but not
5 recognizing the configuration corresponding to the OS host interface mode;

6 the OS recognizing both the configuration corresponding to the OS host interface mode and the
7 configuration corresponding to the BIOS host interface mode; and

8 the OS selecting the firstly presented configuration corresponding to the OS host interface mode.

1 25. (Original) The method of claim 23, wherein:

2 the configuration corresponding to the BIOS host interface mode comprises a Universal Serial
3 Bus (USB) Human Interface Device (HID) configuration; and

4 the configuration corresponding to the OS host interface mode comprises a Bluetooth HID
5 configuration.

1 26. (Original) The method of claim 25, wherein:

2 the BIOS is not Bluetooth aware and does not recognize the Bluetooth HID configuration; and

3 the OS is Bluetooth aware and recognizes the Bluetooth HID configuration.

1 27. (Currently Amended) The method of claim 23, wherein the wireless network interface wirelessly
2 communicates with the wireless user input device according to at least one version of ~~the Bluetooth a~~
3 Bluetooth operating standard.

1 28. (Original) The method of claim 23, further comprising:
2 storing configuration information for the wireless user input device in non-volatile memory of the
3 host-side wireless interface; and
4 retrieving the configuration information stored in the non-volatile memory of the host-side
5 wireless interface for use by the host-side wireless interface in the BIOS host interface mode.